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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/820,649	04/07/2004	Raymond G. Schuder	10002621 -2	8492

7590 07/27/2007
HEWLETT-PACKARD COMPANY
Intellectual Property Administration
P. O. Box 272400
Fort Collins, CO 80527-2400

EXAMINER

GATES, ERIC ANDREW

ART UNIT	PAPER NUMBER
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3722

MAIL DATE	DELIVERY MODE
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07/27/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/820,649

Applicant(s)

SCHUDER ET AL.

Examiner

Eric A. Gates

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 14 May 2007.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 9-13, 21-30 and 36-39 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 11-13, 21-26, 30 and 38 is/are allowed.
- 6) ☒ Claim(s) 9, 10, 27-29, 36, 37, and 39 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- ☐ Notice of Informal Patent Application
- ☐ Other: _____

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 14 May 2007 has been entered.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 9, 10, 27-29, 36, 37, and 39 are rejected under 35 U.S.C. 103(a) as being unpatentable over Watson (U.S. Patent 3,847,718) in view of Kuramoto et al (U.S. Patent Publication 2003/0063963 A1).

4. Regarding claim 9, Watson discloses a bookbinding system, comprising: two or more sheets bound into a text body 15 having an exposed spine bounded by two exposed side hinge areas (not labeled, see figure 3); an adhesive dispenser (in the form

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of a roll, not shown, see column 2, lines 63-67) configured to apply a solid pressure sensitive adhesive film 40 between a cover 32 (see column 3, lines 5-13, substrate 12 may be made of a width sufficient to form cover 32) and the side hinge areas of the text body 15; and a cover binder (not shown, see column 4, lines 38-46 and column 5, line 65 to column 6, line 2) configured to bind the cover to the side hinge areas of the text body by applying pressure to the cover.

Watson does not disclose a sheet binder configured to bind with an adhesive two or more sheets into an adhesively bound text body. Kuramoto et al. teaches the use of a sheet binder 72 configured to bind with an adhesive 78 two or more sheets 54 into an adhesively bound text body 24 for the purpose of creating a text body in which the bonds between the text body sheets are greater than the bonds that would have been formed had the sheets been merely registered and aligned at the spine edge.

Therefore it would have been obvious to one having ordinary skill in the art at the time the invention was made to have combined the system of Watson with the sheet binder of Kuramoto et al. in order to have a bound book in which the sheets are more strongly bound together.

5. Regarding claim 10, Watson discloses wherein the adhesive dispenser is configured to apply a solid pressure sensitive adhesive film 40 to the cover in a series of spaced-apart strips (see figure 7).

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6. Regarding claim 27, Watson discloses wherein the cover binder contacts the side hinge areas to the applied solid pressure sensitive adhesive film 40.
7. Regarding claim 28, Watson discloses wherein the adhesive dispenser dispenses the solid pressure sensitive adhesive 40 from a roll of solid sheet adhesive (the solid sheet adhesive that forms adhesive 40 is only a portion of the content of the roll).
8. Regarding claim 29, Watson discloses wherein the adhesive dispenser dispenses from the roll a solid sheet adhesive that comprises a pressure sensitive adhesive 40 composition dispersed on a carrier ribbon 18/19.
9. Regarding claim 36, Watson discloses further comprising a roll of the solid sheet adhesive loaded in the adhesive dispenser (the roll disclosed in claim 9 above is the adhesive dispenser).
10. Regarding claim 37, Watson discloses wherein the cover binder positions the cover over the exposed side hinge areas and the exposed spine of the text body 15 and applies pressure to the positioned cover 32 to activate the pressure sensitive adhesive film 40 (see column 5, line 65 to column 6, line 2).
11. Regarding claim 39, Watson discloses wherein the adhesive dispenser applies the spaced-apart strips of the solid pressure sensitive adhesive film 40 respectively over areas of the cover corresponding to the spine and the side hinge areas of the text body (see figure 7).

Allowable Subject Matter

12. Claims 11-13, 21-26, 30, and 38 are allowed. Claims 11, 21, 22, 25, 30, and 38 are independent claims.

13. The following is an examiner's statement of reasons for allowance:

The closest prior art of record is U.S. Patent 3,847,718 to Watson, which was applied to the claims in the office action mailed 15 March 2007. Suffice it to say, the patent to Watson does not disclose "wherein the adhesive dispenser comprises a plug-in cartridge housing" as claimed in independent claim 11, or "wherein the adhesive dispenser applies the solid pressure sensitive adhesive film to the cover before the cover binder contacts the applied solid pressure sensitive adhesive to the side hinge areas of the text body" as claimed in independent claim 21, or "wherein the adhesive dispenser additionally applies the solid pressure sensitive adhesive film between the cover and the exposed spine of the text body" as claimed in independent claim 22, or "wherein the adhesive dispenser applies between the cover and the side hinge areas a solid pressure sensitive adhesive film that comprises a pressure sensitive adhesive composition laminated to a hot melt adhesive film" as claimed in independent claim 25, or "wherein the adhesive dispenser applies the solid pressure sensitive adhesive film by releasing a film of the pressure sensitive adhesive composition from the carrier ribbon and reeling-in spent carrier ribbon" as claimed in independent claim 30, or "wherein the cover binder positions the cover over the exposed side hinge areas and the exposed spine of the text body and applies pressure to the positioned cover to activate the pressure sensitive adhesive film without applying heat" as claimed in

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independent claim 38, and as such does not anticipate the instant invention as disclosed in independent claims 11, 21, 22, 25, 30, and 38.

Furthermore, there is no combinable teaching in the prior art of record that would reasonably motivate one having ordinary skill in the art to so modify the teachings of Watson, and thus, for at least the foregoing reasoning, the prior art of record does not render obvious the present invention as set forth in independent claims 11, 21, 22, 25, 30, and 38.

Response to Arguments

14. Applicant's arguments filed 11 April 2007 have been fully considered but they are not persuasive.

15. Applicant's argument that "Watson does not disclose an adhesive dispenser" is not persuasive because there is no requirement in the claim that the adhesive dispenser (the roll of adhesive) apply the adhesive film without assistance from an additional mechanism (whether it be automatic or manual), only that the adhesive dispenser be "configured to apply a solid pressure sensitive adhesive film". For example, a paper towel roll is configured to dispense paper towels, but it doesn't necessarily dispense them automatically unless it is configured to do so. As the claim states that the bookbinding system comprises a sheet binder, an adhesive dispenser, and a cover binder, there is nothing in the claim that prevents additional mechanisms from being present in the bookbinding system.

16. Applicant's argument that "Watson does not disclose a cover binder" is not persuasive because the cited portion of Watson (column 4, lines 38-46) distinctly states that "heat and pressure may then be applied, either simultaneously or in stages, to the bottom and sides of the substrate". Therefore Watson does disclose a cover binder that applies pressure to the cover.

17. Applicant's other arguments with respect to claim 9 have been considered but are moot in view of the new ground(s) of rejection.

18. For the reasons as set forth above, the rejections are maintained.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eric A. Gates whose telephone number is 571-272-5498. The examiner can normally be reached on Monday-Thursday 7:45-6:15.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Monica Carter can be reached on 571-272-4475. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



EAG

20 July 2007


MONICA CARTER
SUPERVISORY PATENT EXAMINER